

IBI's QS-710, Quick-Screening Electrophoresis Gel Box (7x10cm) is designed for rapid linear separations of nucleic acids. It requires minimal setup and provides excellent band resolution with consistent lane-to-lane mobility for accurate results. The QS-710 is versatile for use with applications requiring quick screens, such as fragment analysis and recombinant screening, all in 30 minutes or less.

SPECIFICATIONS

| | Height | Width | Length |
|------------------|--------|--------|--------|
| Unit Dimensions: | 6.4cm | 11.4cm | 22.2cm |
| Gel Dimensions: | | 7.0cm | 10.0cm |

CAPACITY

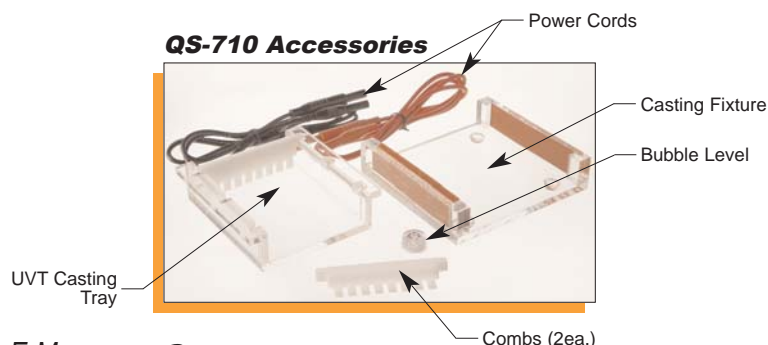
- Maximum Sample Capacity: **30 Samples** (2 Combs, 15 Samples Ea.)
- Buffer Capacity: **250ml**
- Distance Between Electrodes: **19.3cm**
- Maximum Voltage: **200V**

ACCESSORIES AND REPLACEMENT PARTS

| CATALOG# | DESCRIPTION |
|----------|---|
| IB51020 | QS-710 UV Transmittant Casting Tray |
| IB51021 | QS-710 Next Generation UVT Casting Tray - 3 Lanes |
| IB51022 | QS-710 Next Generation UVT Casting Tray - 2 Lanes |
| IB51025 | QS-710 Casting Fixture |
| IB51030 | QS-710 Casting System (UVT Tray w/Fixture) |
| IB50500 | Replacement Power Cords |
| IB50504 | Replacement Bubble Level |
| IB50505 | Replacement Tank Connector Kit |
| IB51200 | Replacement QS-710 Tank |
| IB51300 | Replacement QS-710 Lid |
| IB51305 | Replacement QS-710 Electrode Assembly |

ADDITIONAL COMBS AVAILABLE

| CATALOG# | DESCRIPTION | WELL WIDTH | SAMPLE VOLUME PER MM GEL |
|----------|---------------------------|-------------|--------------------------|
| IB51040 | 1.0mm x 8 tooth | 4.7mm | 4.7µl |
| IB51045 | 1.0mm x 12 tooth | 2.8mm | 2.8µl |
| IB51050 | 1.0mm x 15 tooth | 2.2mm | 2.2µl |
| IB51100 | 1.5mm x 3 tooth sets | 3.0, 9.5mm | 4.5, 14.3µl |
| IB51101 | 1.5mm x 2 tooth sets | 3.0, 9.5mm | 4.5, 14.3µl |
| IB51055 | 1.5mm x 8 tooth | 4.7mm | 7.0µl |
| IB51060 | 1.5mm x 12 tooth | 3.0mm | 4.0µl |
| IB51065 | 1.5mm x 15 tooth | 2.2mm | 3.3µl |
| IB51046 | 2.0mm x 12 tooth | 3.0mm | 6.0µl |
| IB51090 | 2.0mm x 10 tooth | 4.0mm | 8.0µl |
| IB51095 | 3.0mm x 6 tooth | 5.8mm | 17.3µl |
| IB51070 | 1.0mm, 0 marker, 1 sample | 62.6mm | 62.6µl |
| IB51075 | 1.0mm, 1 marker, 1 sample | 4.7, 54.7mm | 4.7, 54.7µl |
| IB51080 | 1.5mm, 0 marker, 1 sample | 62.6mm | 94.0µl |
| IB51085 | 1.5mm, 1 marker, 1 sample | 4.7, 54.7mm | 7.0, 82.0µl |



ORDERING INFORMATION

| CATALOG# | DESCRIPTION |
|----------|--|
| IB51000 | QS-710 ELECTROPHORESIS SYSTEM (7x10CM) *Comes complete with vented lid, UV transmittant casting tray, casting fixture, two 1.5mm x 8 tooth combs, bubble level, and power cords. |



IB51000 comes complete with: Patented vented lid, UV transmittant casting tray, casting fixture, two 1.5mm x 8 tooth combs, bubble level, power cords, and operation manual.

The QS-710 has been designed by users for rapid electrophoresis. The maximum suggested applied voltage for the electrophoresis of DNA in agarose gels, using the QS-710, is 100 volts. In a 1% TBE gel, this translates into a run time of approximately 1 hour. Lower voltages may be used, of course, and as a general rule a 50 volt run will take twice as long as a 100 volt run. Higher voltages may be used to decrease the run time; however, if the unit is being operated at higher voltages the heat generated during electrophoresis may decrease sample resolution. Such artifacts may be avoided by running the unit in a cold room or by adding 1X electrophoresis buffer "ice cubes" to keep the unit properly cooled.

The suggested run parameters for the electrophoresis of RNA in agarose gels containing formaldehyde is 60-80 volts. Since the QS-710 has no capacity for buffer recirculation, the buffer from each reservoir should be collected after 1.5 hours of electrophoresis.

The IB51000 has a patented vented lid. Patent# 5,779,869.

